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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,191	05/06/2004	Nicola M. Funnell	1578.612 (PUS-1766)	7248

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EXAMINER	
SAFAIPOUR, BOBBAK	

ART UNIT	PAPER NUMBER
2618	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/840,191	FUNNELL ET AL.	
	Examiner	Art Unit	
	Bobbak Safaipour	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *06 May 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-32* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-32* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *06 May 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Specification

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

(a) TITLE OF THE INVENTION.
(b) CROSS-REFERENCE TO RELATED APPLICATIONS.
(c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
(d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
(e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
(f) BACKGROUND OF THE INVENTION.
    (1) Field of the Invention.
    (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
(g) BRIEF SUMMARY OF THE INVENTION.
(h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
(i) DETAILED DESCRIPTION OF THE INVENTION.
(j) CLAIM OR CLAIMS (commencing on a separate sheet).
(k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
(l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Claim Objections

Claim 4 is objected to because of the following informality:

On **line 1** of **claim 6**, delete "either one of". Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Czaja et al. (US 7,006,828 B1; hereinafter "Czaja")** in view of **Putcha et al. (US 2005/0148349 A1; hereinafter "Putcha").**

Consider **claim 1**, Czaja discloses a cell selection apparatus for use in mobile communications equipment to maintain a candidate set of cells to support subsequent communication between a cellular network and the equipment (col. 2, line 48 to col. 3, line 8; A mobile station maintains a list of available base station for providing communication services to the mobile station.), said apparatus being triggerable, by a transition of the equipment out of an existing connected mode state in which communication is supported by a serving cell or an active set of one or more cells (col. 2, line 4 to col. 3, line 25; CDMA handoffs occur when a mobile station moves from the coverage area of its active base station to the coverage area of a new base station), wherein the apparatus is adapted to use as said candidate set a set of cells comprising at least one cell which is not a cell supporting the existing connected mode state (col. 3, lines 2-25; As the mobile station moves and its currently active base station signal weakens, the mobile station must access a new base station. Based upon the results of the searcher function, and the instructions received from the base station, the mobile station updates its sets, and communicates with a different base station.).

Although Czaja discloses in a typical CDMA system, a mobile station maintains a list of available base stations for providing communication services to the mobile station (col. 2, line 48 to col. 3, line 8), fails to specifically disclose selecting a cell a candidate set of cell to support subsequent communication between a cellular network and the equipment.

In related art, Putcha discloses selecting a cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment. (abstract, paragraphs 1-5, 11-16, and 18-21)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Putcha into the teachings of Czaja to select cells appropriately so that unnecessary cell reselection and unnecessary signaling is avoided, which require allocation of resources, such as battery power and radio resources.

Consider **claim 21**, Czaja discloses a method of maintaining a candidate set of cells of a cellular network to support subsequent communications between the network and mobile communications equipment (col. 2, line 48 to col. 3, line 8; A mobile station maintains a list of available base station for providing communication services to the mobile station.) on transition of the equipment out of an existing connected mode state in which communication is supported by a serving cell or an active set of one or more cells (col. 2, line 4 to col. 3, line 25; CDMA handoffs occur when a mobile station moves from the coverage area of its active base station to the coverage area of a new base station), which method comprises assembling a candidate list of cells wherein identifying for said candidate list at least one cell which is not a cell supporting the existing connected mode state, said at least one cell meeting one or more predetermined criteria (col. 3, lines 2-25; As the mobile station moves and its currently active base station signal weakens, the mobile station must access a new base station. Based upon the results of the searcher function, and the instructions received from the base station, the mobile station updates its sets, and communicates with a different base station.).

Although Czaja discloses in a typical CDMA system, a mobile station maintains a list of available base stations for providing communication services to the mobile station (col. 2, line 48

to col. 3, line 8), fails to specifically disclose selecting a cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment.

In related art, Putcha discloses selecting a cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment. (abstract, paragraphs 1-5, 11-16, and 18-21)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Putcha into the teachings of Czaja to select cells appropriately so that unnecessary cell reselection and unnecessary signaling is avoided, which require allocation of resources, such as battery power and radio resources.

Consider **claim 30**, Czaja discloses a cell selection apparatus for use in mobile communications equipment to maintain a serving cell from a candidate set of cells of a mobile communications network (col. 2, line 48 to col. 3, line 8; A mobile station maintains a list of available base station for providing communication services to the mobile station.), on transition of the equipment from a state in which it has a dedicated channel to a state in which it is camped on a serving cell in the network (col. 2, line 4 to col. 3, line 25; CDMA handoffs occur when a mobile station moves from the coverage area of its active base station to the coverage area of a new base station), wherein the apparatus comprises a candidate set assembler for assembling a candidate set of cells for use in selection by the selection apparatus, the set comprising at least one cell from the group comprising: a) a cell identified to the mobile communications equipment by the network (col. 3, lines 3-5); b) a cell neighbouring a cell of an active set supporting said dedicated channel (figure 1, col. 2, line 4 to col. 3, line 25); c) a cell identified by information

stored by the mobile communications equipment (col. 2, line 4 to col. 3, line 25); and d) a cell identified by system information received by the mobile communications equipment (col. 2, line 4 to col. 3, line 25).

Although Czaja discloses in a typical CDMA system, a mobile station maintains a list of available base stations for providing communication services to the mobile station (col. 2, line 48 to col. 3, line 8), fails to specifically disclose selecting a serving cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment.

In related art, Putcha discloses selecting a serving cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment. (abstract, paragraphs 1-5, 11-16, and 18-21)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Putcha into the teachings of Czaja to select cells appropriately so that unnecessary cell reselection and unnecessary signaling is avoided, which require allocation of resources, such as battery power and radio resources.

Consider **claim 31**, Czaja discloses a cell selection apparatus for use in mobile communications equipment to maintain a serving cell from a candidate set of cells (col. 2, line 48 to col. 3, line 8; A mobile station maintains a list of available base station for providing communication services to the mobile station.), on transition of the equipment from a connected state in which it is camped on a pre-transition serving cell either to a different connected state in which it is camped on a post-transition serving cell or to idle mode (col. 2, line 4 to col. 3, line 25; CDMA handoffs occur when a mobile station moves from the coverage area of its active

base station to the coverage area of a new base station), wherein the apparatus comprises a candidate set assembler for assembling a candidate set of cells, the set comprising at least one cell from the group comprising: a) a cell identified to the mobile communications equipment by the network (col. 3, lines 3-5); b) a cell neighbouring said pre-transition serving cell (figure 1, col. 2, line 4 to col. 3, line 25); c) a cell identified by information stored by the mobile communications equipment; and (col. 2, line 4 to col. 3, line 25) d) a cell identified by system information received by the mobile communications equipment (col. 2, line 4 to col. 3, line 25).

Although Czaja discloses in a typical CDMA system, a mobile station maintains a list of available base stations for providing communication services to the mobile station (col. 2, line 48 to col. 3, line 8), fails to specifically disclose selecting a serving cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment.

In related art, Putcha discloses selecting a serving cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment. (abstract, paragraphs 1-5, 11-16, and 18-21)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Putcha into the teachings of Czaja to select cells appropriately so that unnecessary cell reselection and unnecessary signaling is avoided, which require allocation of resources, such as battery power and radio resources.

Consider **claim 32**, Czaja discloses a method of maintaining a cell of a cellular network to support subsequent communications between the network and mobile communications equipment (col. 2, line 48 to col. 3, line 8; A mobile station maintains a list of available base

station for providing communication services to the mobile station.) on transition of the equipment out of an existing connected mode state (col. 2, line 4 to col. 3, line 25; CDMA handoffs occur when a mobile station moves from the coverage area of its active base station to the coverage area of a new base station), which method comprises assembling a candidate list of cells wherein identifying for said candidate list at least one cell which is not a cell supporting the existing connected mode state, said at least one cell meeting one or more predetermined criteria (col. 3, lines 2-25; As the mobile station moves and its currently active base station signal weakens, the mobile station must access a new base station. Based upon the results of the searcher function, and the instructions received from the base station, the mobile station updates its sets, and communicates with a different base station.).

Although Czaja discloses in a typical CDMA system, a mobile station maintains a list of available base stations for providing communication services to the mobile station (col. 2, line 48 to col. 3, line 8), fails to specifically disclose selecting a cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment.

In related art, Putcha discloses selecting a cell from a candidate set of cells to support subsequent communication between a cellular network and the equipment. (abstract, paragraphs 1-5, 11-16, and 18-21)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Putcha into the teachings of Czaja to select cells appropriately so that unnecessary cell reselection and unnecessary signaling is avoided, which require allocation of resources, such as battery power and radio resources.

Consider **claim 2**, and **as applied to claim 1 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said at least one cell comprises a cell identified to the mobile communications equipment by the network. (Czaja: col. 2, lines 35-39; Putcha: figure 2 "210", paragraph 14)

Consider **claim 3**, and **as applied to claim 1 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said at least one cell comprises a cell neighbouring a cell supporting the existing connected mode state. (Czaja: figure 1, col. 2, line 4 to col. 3, line 25)

Consider **claim 4**, and **as applied to claim 1 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said at least one cell comprises a cell identified by information stored by the mobile communications equipment. (Czaja: col. 2, line 59 to col. 3 line 8)

Consider **claim 5**, and **as applied to claim 4 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said information stored comprises historic cell-related information arising from past behaviour of the mobile communications equipment. (Czaja: col. 2, line 48 to col. 3, line 8; Putcha: figure 2, paragraphs 15-16, and 18)

Consider **claim 6**, and **as applied to claim 4 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said information stored concerns power measurement data in relation to said at least one cell. (Czaja: col. 7, lines 45-55; col. 8, lines 40-50; col. 10,

lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 7**, and **as applied to claim 1 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein cell selection apparatus is comprised by channel configuration apparatus in the mobile communications equipment for configuring a communication channel in the cellular network. (Czaja: col. 2, lines 28-45; Putcha: figure 2, paragraph 14)

Consider **claim 8**, and **as applied to claim 1 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein mobile communications equipment comprises a cell selection apparatus. (Putcha: abstract)

Consider **claim 9**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising power measurement equipment for taking power measurements with respect to cells of the candidate set of cells, wherein the selection of a cell is based at least in part on said power measurements. (Czaja: col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 10**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising an algorithm store for storing at least one selection algorithm for use in assembling a candidate set of cells. (Czaja: col. 2, line 48 to col. 3,

line 8)

Consider **claim 11**, and **as applied to claim 9 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising parameter adjustment means for adjusting at least one parameter for at least one of the candidate set of cells, thereby changing a probability that said at least one cell will be selected. (Czaja: col. 2, line 48 to col. 3, line 8; col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 12**, and **as applied to claim 11 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said parameter adjustment means is adapted to select a cell identified to the mobile communications equipment by the network for said adjustment. (Czaja: col. 2, line 48 to col. 3, line 8; col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 13**, and **as applied to claim 9 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising a data store for storing system information for use in identifying one or more cells neighbouring a cell supporting the existing connected mode state. (Czaja: col. 2, line 48 to col. 3, line 8)

Consider **claim 14**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising a data store for storing data relevant to historic cell-related information arising from past behaviour of the mobile communications

equipment. (Czaja: col. 2, line 48 to col. 3, line 8; Putcha: figure 2, paragraphs 15-16, and 18)

Consider **claim 15**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising a data store for storing cell power measurement data. (Czaja: col. 2, line 48 to col. 3, line 8; col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 16**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein the network comprises a UMTS-based network. (Putcha: paragraph 12)

Consider **claim 17**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said transition of the equipment comprises a transition from a state in which it has a dedicated channel to a state in which it is camped on a cell. (Czaja: col. 2, lines 28-45)

Consider **claim 18**, and **as applied to claim 16 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said existing connected mode state comprises any one of Cell_DCH, Cell_FACH, Cell_PCH, and URA_PCH. (Putcha: paragraphs 2 and 14)

Consider **claim 19**, and **as applied to claim 8 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said transition of the equipment out of an existing connected mode state comprises a transition to an idle mode. (Czaja: col. 2, line 48 to col. 3, line 8)

Consider **claim 20**, and **as applied to claim 16 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein said transition of the equipment out of an existing connected mode state comprises one of the following transitions: a) Cell_DCH to Cell_FACH, Cell_PCH, or URA_PCH; b) Cell_FACH to Cell_FACH, Cell_PCH, or URA_PCH; and c) Cell_FACH or Cell_DCH to an idle mode. (Putcha: paragraphs 2 and 14)

Consider **claim 22**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of receiving an input identifying a transition from the existing connected mode state of the mobile communications equipment. (Czaja: col. 2, line 48 to col. 3, line 8)

Consider **claim 23**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of receiving data identifying a network-preferred cell, and wherein the at least one cell comprises said network-preferred cell. (Czaja: col. 2, line 48 to col. 3, line 8)

Consider **claim 24**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of adjusting a value for at least one parameter of a cell in the candidate list, prior to step ii), so as to change the likelihood of selection of said cell. (Czaja: col. 2, line 48 to col. 3, line 8; col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 25**, and **as applied to claim 23 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of adjusting a value for at least one parameter of a cell in the candidate list, prior to step ii), so as to change the likelihood of selection of said cell and wherein said step of adjusting a value comprises adjusting a value for at least one parameter of the network-preferred cell. (Czaja: col. 2, line 48 to col. 3, line 8; col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 26**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of storing system information for use in identifying said at least one cell. (Czaja: col. 2, line 48 to col. 3, line 8; col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 27**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of storing historic cell-related information arising from past behaviour of the mobile communications equipment, for use in identifying said at least one cell. (Czaja: col. 2, line 48 to col. 3, line 8; Putcha: figure 2,

paragraphs 15-16, and 18)

Consider **claim 28**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention further comprising the step of storing cell power measurement data, for use in identifying said at least one cell. (Czaja: col. 7, lines 45-55; col. 8, lines 40-50; col. 10, lines 37-53; Putcha: paragraphs 12-14)

Consider **claim 29**, and **as applied to claim 21 above**, Czaja, as modified by Putcha, discloses the claimed invention wherein step ii) is carried out by reference to power measurements for the cells of the candidate list. (Czaja: col. 2, line 48 to col. 3, line 8; Putcha: figure 2, paragraphs 15-16, and 18)

Conclusion

Any response to this Office Action should be **faxed to** (571) 273-8300 **or mailed to**:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Bobbak Safaipour whose telephone number is (571) 270-1092. The Examiner can normally be reached on Monday-Friday from 9:00am to 5:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Edan Orgad can be reached on (571) 272-7884. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Bobbak Safaipour
B.S./bs

June 25, 2007

EDAN ORGAD
PRIMARY PATENT EXAMINER

6/25/07